



Leica 3D Disto Kitchens

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Step by step using the 3D Disto

What do you need to know?

Kitchen Counter Tops:

- The wall length where the counter top will go including angles and to see if the wall is straight
- The tops of the kitchen cupboards
- Pipes, plugs, water supply, etc.

Current methods:

Using a tape measure or laser distance meter. Measurements are then converted to a line drawing or inputted into software. A template is made out of paper or plywood. This is then checked back at the location. A file is produced with the sizes and sent for cutting.

In this tutorial we will show you how the Leica 3D Disto will save you time and money and reduce the amount of workflow during the process.



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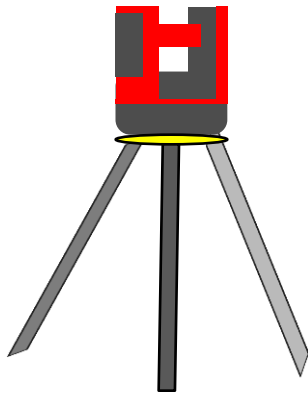
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Setting up the 3D Disto

STEP 1:

Make sure that you set the 3D Disto on a tripod and that you can see if possible everything you need to measure. This will avoid having to relocate during the measuring process. Use “Room Scan” function for measuring.



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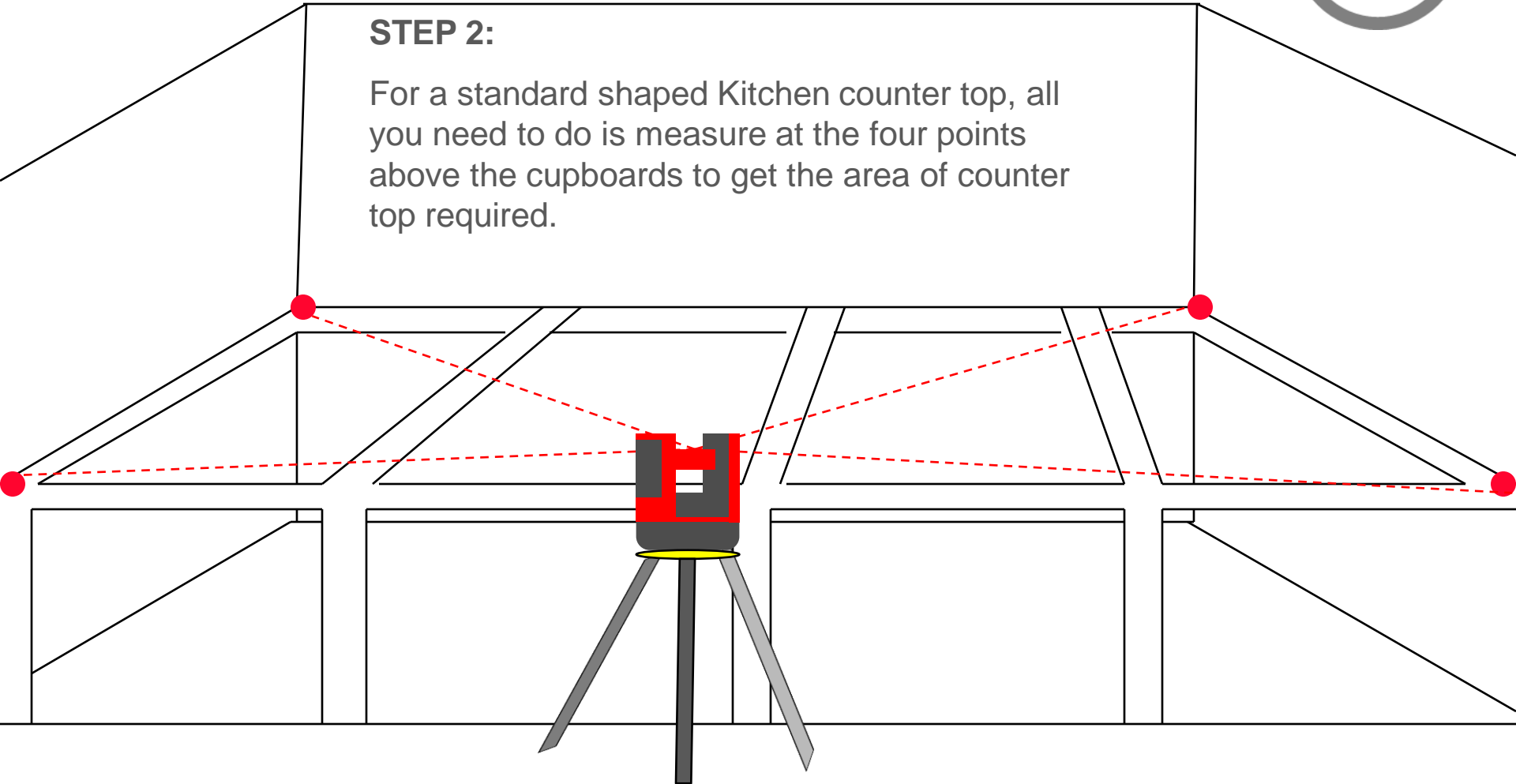
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Measuring with the 3D Disto



STEP 2:

For a standard shaped Kitchen counter top, all you need to do is measure at the four points above the cupboards to get the area of counter top required.

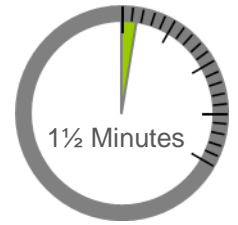


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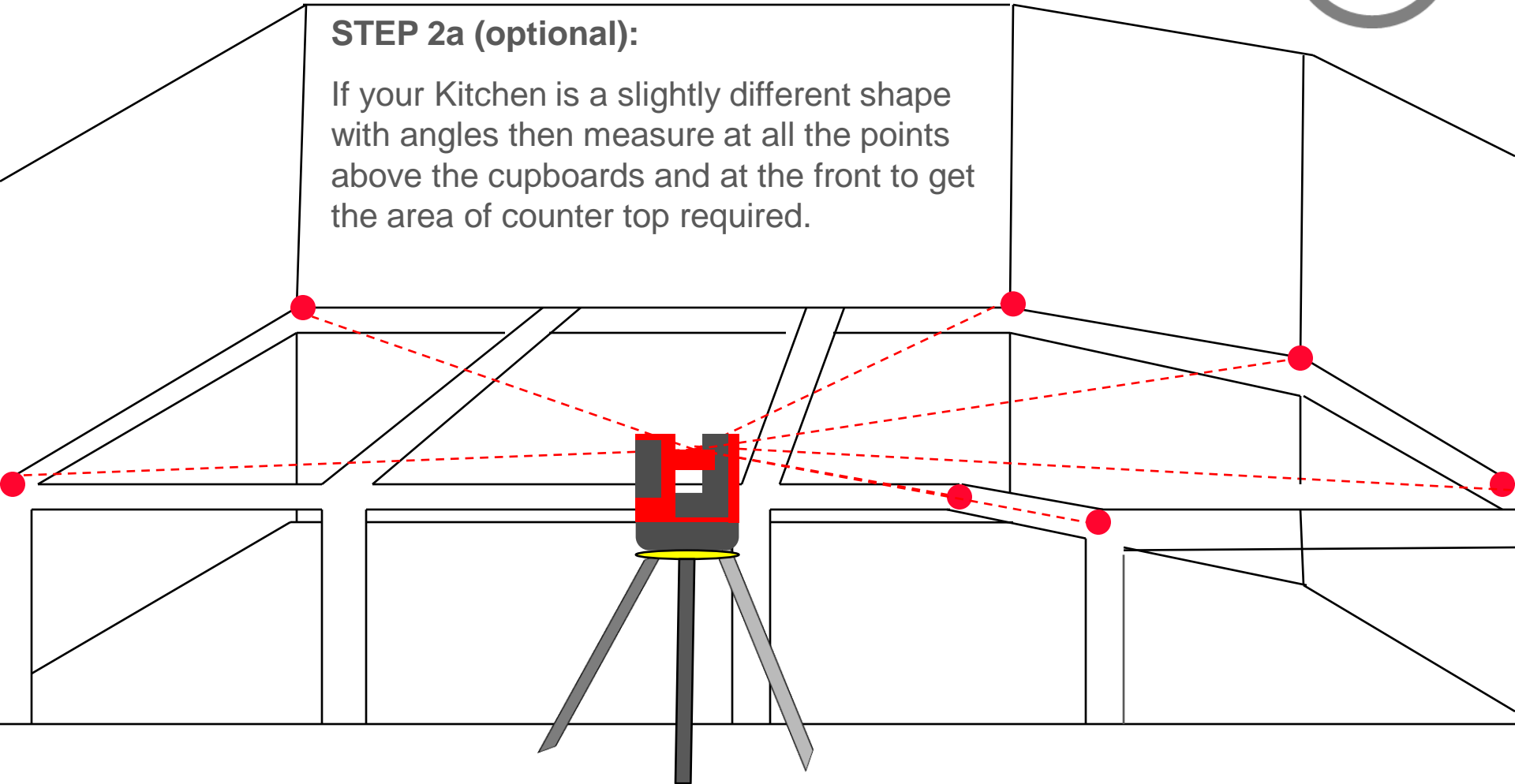
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STEP 2a (optional):

If your Kitchen is a slightly different shape with angles then measure at all the points above the cupboards and at the front to get the area of counter top required.

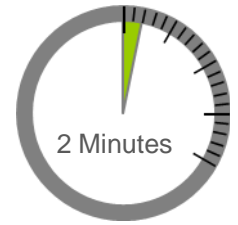


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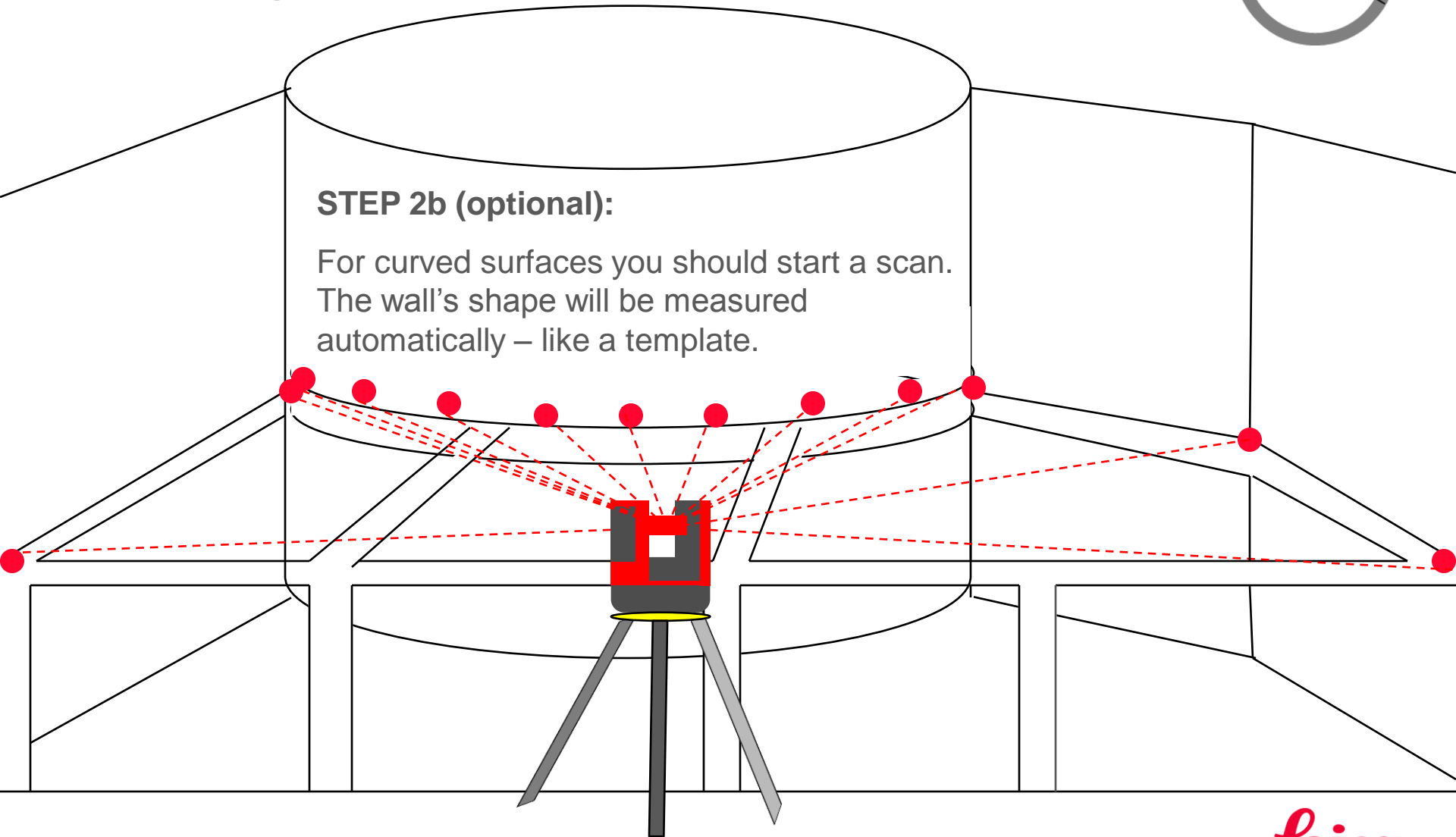
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STEP 2b (optional):

For curved surfaces you should start a scan.
The wall's shape will be measured
automatically – like a template.

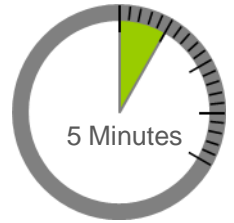


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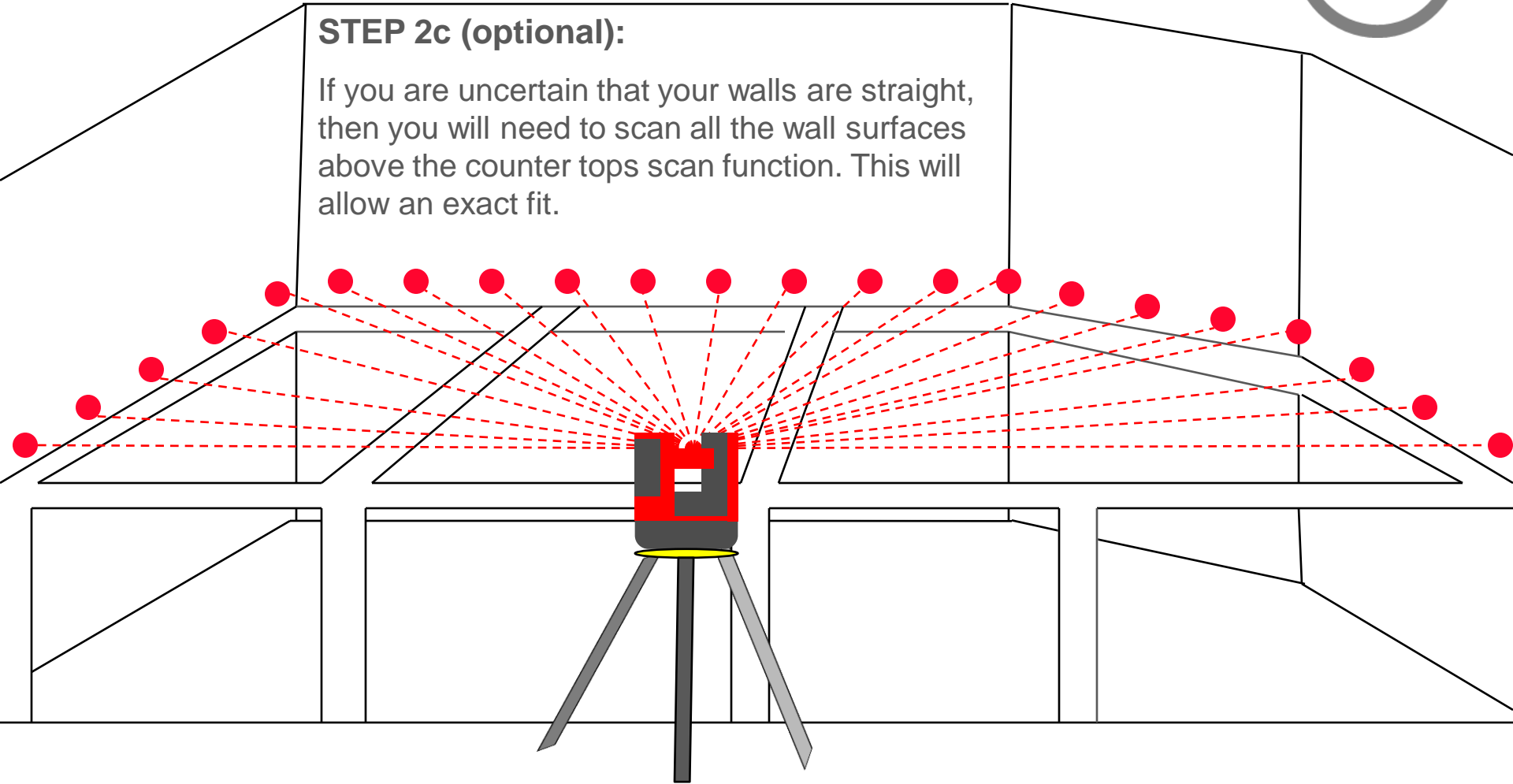
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STEP 2c (optional):

If you are uncertain that your walls are straight, then you will need to scan all the wall surfaces above the counter tops scan function. This will allow an exact fit.



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Measuring other points

STEP 3:

If you have existing pipes, plugs, water supply etc on the wall or floor you can measure these to decide where the sink will go. In CAD or other programs you can then fit the sink unit that the customer wants or design a sink of whatever shape to be cut into the work surfaces.

If the pipe work and electrics are not in yet then you can work in CAD using the building plans.



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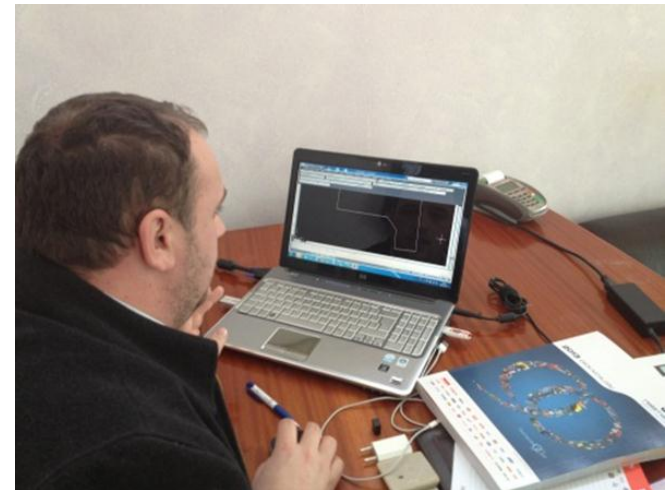
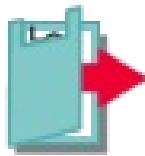
Saving your data for post processing

STEP 4:

You can save your drawing to your USB stick and post process in your software program. You have the drawing dimensions and you will now design your counter top including the overhang and size of the work surface in your software.

Ready!

Save the measurement, plug USB stick and press the File Manager's EXPORT key to generate a 1:1 DXF file. It will fit to your preferred CAD system



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CNC cutting and installation

STEP 5:

You can send your drawing direct to the CNC machine for cutting.

Once cut the counter top will fit perfectly saving you time and money going back again if a mistake has been made and going through the whole process incurring more costs.

The Leica 3D Disto is the perfect tool for all kitchen counter top applications. You can also define your positioning for cupboards and units as well.



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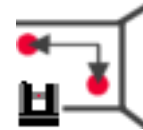
Tools for cupboard installation

Use the “Tool Kit” for installation with a number of helpful tools. It projects pre-defined point positions and transfers height references around a room if the floor may not be level.

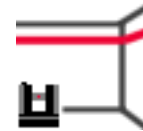
Plumb tool



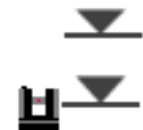
Position marker



Level tool



Meter mark tool



Parallel marker



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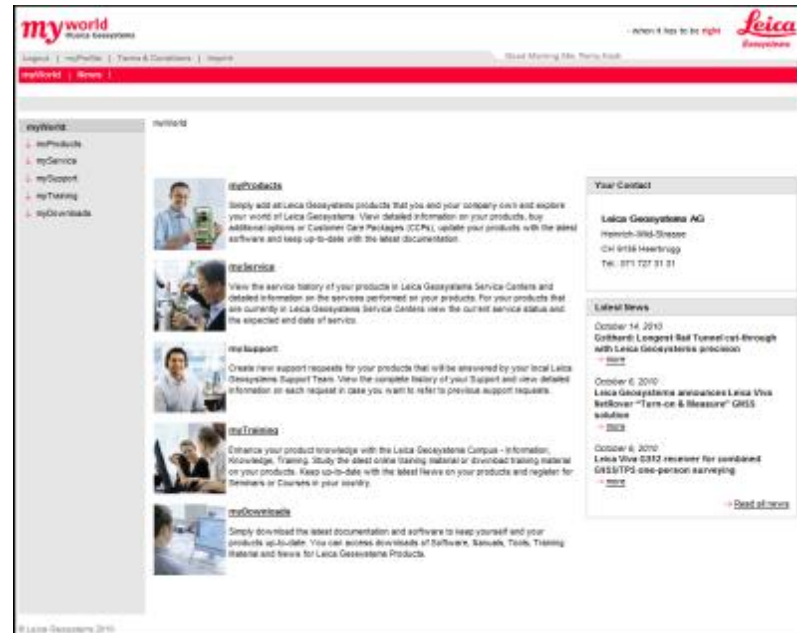
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